

## Message Text

UNCLASSIFIED

PAGE 01 VIENNA 06222 101508Z

ACTION IO-14

INFO OCT-01 EUR-12 ISO-00 OES-09 OIC-02 ACDA-12  
CIAE-00 INR-10 L-03 NSAE-00 NSC-05 EB-08 NRC-07  
SOE-02 DODE-00 SS-15 SP-02 CEQ-01 /103 W  
-----073304 111228Z /11

R 101457Z JUL 78

FM AMEMBASSY VIENNA  
TO SECSTATE WASHDC 7112  
INFO USDOEHQ WASHDC  
USDOEHQ GERMANTOWN

UNCLAS VIENNA 06222

USIAEA

DEPT PASS IO/SCT, OES (BORIGHT), S/AS AND ACDA  
DOE PASS AMMONS AND GIAMBUSSO, IA

E.O. 11652: N/A

TAGS: IAEA, ENRG, TECH

SUBJECT: INFCE: IAEA LETTER TO WG CO-CHAIRMEN ON FUEL  
CYCLE CALCULATIONS

1. FOLLOWING IS QUOTE OF LETTER, SKJOLDEBRAND TO WG  
CO-CHAIRMEN PER ABOVE SUBJECT. COPIES AIRMAILED  
TODAY TO GIAMBUSSO.

- "PURSUANT TO THE DISCUSSION AT THE INFCE TCC  
MEETING 12-14 JUNE, CONCERNING THE SERVICES AND  
COMPUTATIONAL FACILITIES OFFERED BY THE AGENCY FOR USE  
BY INFCE WORKING GROUPS, WE ARE PLEASED TO PROVIDE YOU  
WITH THE ENCLOSED COPY OF INFCE/WG.1.10, WHICH GIVES  
A BRIEF OVERALL OUTLINE OF THE COMPUTATIONAL CAPABILITY  
CURRENTLY BEING DEVELOPED BY THE AGENCY. AS YOU WILL  
NOTE IN SECTION 1.4, THIS DEVELOPMENT EFFORT IS EXPECTED  
TO RESULT IN A FULLY OPERATIONAL COMPUTER MODEL OF THE  
UNCLASSIFIED

UNCLASSIFIED

PAGE 02 VIENNA 06222 101508Z

FUEL CYCLE BY THE END OF OCTOBER THIS YEAR. THE AGENCY  
MODEL WOULD BE USEFUL IN REFINING THE ANALYSIS OF  
DEMANDS FOR NUCLEAR FUELS AND FUEL CYCLE SERVICES  
ASSOCIATED WITH VARIOUS SCENARIOS AND FUEL CYCLE  
STRATEGIES (INCLUDING ALTERNATIVE REACTOR TYPES)  
SELECTED FOR PRESENTATION IN THE WORKING GROUP REPORTS.

- "DURING THE FURTHER DEVELOPMENT AND INITIAL TESTING OF THE AGENCY COMPUTER MODEL, WE WILL NEED TO HAVE AVAILABLE REALISTIC CHARACTERISTIC DATA FOR THE VARIOUS REACTOR TYPES. IN THE INTERIM PERIOD UNTIL INFCE WORKING GROUPS 1, 2, 5 AND 8 HAVE FINALIZED REACTOR CHARACTERISTICS, WE PLAN TO USE THE REACTOR MODELS PRESENTED IN THE NEA "YELLOW REPORT". (THE RELEVANT TABLES ARE ATTACHED). YOUR COMMENTS ON THE VALIDITY OF THOSE DATA WOULD BE GREATLY APPRECIATED.
  - "WE WOULD WELCOME THE OPPORTUNITY TO CONSULT WITH EXPERTS AVAILABLE TO YOUR WORKING GROUP REGARDING THE STRUCTURE OF THE AGENCY MODEL, THE PARAMETERS TO BE USED AND THE DESIRED OUTPUT. UP TO THE TESTING PHASE, IT WOULD BE RELATIVELY SIMPLE TO INTRODUCE SPECIFIC FEATURES WHICH WOULD MAKE THE MODEL MORE USEFUL TO THE INFCE STUDIES AS DESIRED BY EACH WORKING GROUP.
  - "ALSO, IT WOULD BE USEFUL TO HAVE A RANGE OF COMPARATIVE CALCULATIONS FOR PURPOSES OF CROSS-CHECKING AND VERIFICATION OF THE AGENCY MODEL RESULTS. WE WOULD BE VERY INTERESTED IN DISCUSSING THE MOST APPROPRIATE MEANS FOR CARRYING OUT SUCH COMPARATIVE CALCULATIONS, USING CODES AVAILABLE TO MEMBERS OF YOUR WORKING GROUPS AND TO INTERNATIONAL ORGANIZATIONS.
- UNCLASSIFIED

UNCLASSIFIED

PAGE 03 VIENNA 06222 101508Z

- "AS THE AGENCY MODEL APPROACHED THE FINAL TESTING PHASE, IT MIGHT BE APPROPRIATE TO CONVENE A SMALL MEETING OF EXPERT REPRESENTATIVES OF INTERESTED WORKING GROUPS AND INTERNATIONAL ORGANIZATIONS FOR THE PURPOSE OF REVIEWING THE AGENCY WORK AND ASSESSING ITS APPLICATION TO THE INFCE TASKS. WE WOULD APPRECIATE YOUR CONTRIBUTION TO SUCH A MEETING. A POSSIBLE DATE FOR A MEETING COULD BE IN THE WEEK 4-8 SEPTEMBER.
- IT WOULD BE APPRECIATED IF YOU WOULD CONTACT MR. L.L. BENNETT OF THE DIVISION OF NUCLEAR POWER AND REACTORS, WHO IS IN CHARGE OF THE DEVELOPMENT OF THE COMPUTER MODEL, FOR FURTHER INFORMATION OR TO GIVE YOUR COMMENTS AND REQUIREMENTS."

2. IN VIEW OF EFFORT REQUIRED TO MAKE COMPUTER MODEL OPERATIONAL, MISSION RECOMMENDS PROMPT REPLY TO AGENCY REQUEST AND CONTINUED HIGH LEVEL OF U.S. SUPPORT. LEAHY

UNCLASSIFIED

NNN

## Message Attributes

**Automatic Decaptioning:** X  
**Capture Date:** 01 jan 1994  
**Channel Indicators:** n/a  
**Current Classification:** UNCLASSIFIED  
**Concepts:** DOCUMENTS, FUELS, PROGRESS REPORTS  
**Control Number:** n/a  
**Copy:** SINGLE  
**Draft Date:** 10 jul 1978  
**Decaption Date:** 01 jan 1960  
**Decaption Note:**  
**Disposition Action:** n/a  
**Disposition Approved on Date:**  
**Disposition Case Number:** n/a  
**Disposition Comment:**  
**Disposition Date:** 01 jan 1960  
**Disposition Event:**  
**Disposition History:** n/a  
**Disposition Reason:**  
**Disposition Remarks:**  
**Document Number:** 1978VIENNA06222  
**Document Source:** CORE  
**Document Unique ID:** 00  
**Drafter:** n/a  
**Enclosure:** n/a  
**Executive Order:** N/A  
**Errors:** N/A  
**Expiration:**  
**Film Number:** D780283-0447  
**Format:** TEL  
**From:** VIENNA USIAEA  
**Handling Restrictions:** n/a  
**Image Path:**  
**ISecure:** 1  
**Legacy Key:** link1978/newtext/t19780777/aaaacnad.tel  
**Line Count:** 113  
**Litigation Code IDs:**  
**Litigation Codes:**  
**Litigation History:**  
**Locator:** TEXT ON-LINE, ON MICROFILM  
**Message ID:** d65b6078-c288-dd11-92da-001cc4696bcc  
**Office:** ACTION IO  
**Original Classification:** UNCLASSIFIED  
**Original Handling Restrictions:** n/a  
**Original Previous Classification:** n/a  
**Original Previous Handling Restrictions:** n/a  
**Page Count:** 3  
**Previous Channel Indicators:** n/a  
**Previous Classification:** n/a  
**Previous Handling Restrictions:** n/a  
**Reference:** n/a  
**Retention:** 0  
**Review Action:** RELEASED, APPROVED  
**Review Content Flags:**  
**Review Date:** 29 mar 2005  
**Review Event:**  
**Review Exemptions:** n/a  
**Review Media Identifier:**  
**Review Release Date:** N/A  
**Review Release Event:** n/a  
**Review Transfer Date:**  
**Review Withdrawn Fields:** n/a  
**SAS ID:** 2059827  
**Secure:** OPEN  
**Status:** NATIVE  
**Subject:** INFCE: IAEA LETTER TO WG CO-CHAIRMEN ON FUEL CYCLE CALCULATIONS  
**TAGS:** ENRG, TECH, IAEA  
**To:** STATE  
**Type:** TE  
**vdkgvwkey:** odbc://SAS/SAS.dbo.SAS\_Docs/d65b6078-c288-dd11-92da-001cc4696bcc  
**Review Markings:**  
Sheryl P. Walter  
Declassified/Released  
US Department of State  
EO Systematic Review  
20 Mar 2014  
**Markings:** Sheryl P. Walter Declassified/Released US Department of State EO Systematic Review 20 Mar 2014